
North America's Leader in Hazardous Material Information Management
1905 Aston Avenue, Carlsbad, CA 92008
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MSDS PRODUCT INFORMATION

Date: 10/07/2005
To: MSDS Requester
From: 3E Company
Subject: The MSDS you have requested

☐ MSDS NOT REQUIRED

In response to your request for a Material Safety Data Sheet, according to the OSHA Hazard Communication Standard (Right-to-Know), the following item is an article. Articles are defined in 29 CFR 1910.1200(c). Products such as Drugs, cosmetics, food, or alcoholic beverages, wood or wood products, and tobacco or tobacco products, as defined in 29 CFR 1910.1200(b)(6), are exempt from the Hazard Communication Standard. Items that are considered articles, as defined in 29 CFR 1910.1200(c), are also exempt from this Standard. Therefore, the manufacturer is not required to provide an MSDS for this product.

☐ MSDS DISCONTINUED PRODUCT

In response to your request for a Material Safety Data Sheet, the manufacturer has discontinued the product listed below. The MSDS Attached is the most current version, or an MSDS is no longer available.

☐ MSDS BEST COPY AVAILABLE

The MSDS attached is the best copy available from the manufacturer.

☒ MANUFACTURER NO LONGER IN BUSINESS

In response to your request for a Material Safety Data Sheet, a current MSDS could not be obtained for this product. It has been determined that the manufacturer listed below is no longer in business. A current address and phone number could not be located.

Manufacturer: SureCo, Inc.
Product Name: 5.4% Iron Plus

MATERIAL SAFETY DATA SHEET

RIGO/BLACK LEAF PRODUCTS
DIVISION OF SURECO, INC.
8011 NEW LAGRANGE RD., SUITE
LOUISVILLE KY 40221
502-326-9508

Section 1 Name	Product / Trade Name BLACK LEAF IRON PLUS		Chemical Name / Common Name: Ferrous Sulfate Monohydrate/Iron Sulfate Ferrous Sulfate Heptahydrate/Zinc Sulfate Manganese Sulphate/Manganese Sulphate Copper Sulphate/Copper Sulphate		
	Emergency Telephone Numbers: Chemtrec: (800) 424-9300				
Section 2 Hazardous Ingredients	Iron Sulfate	5.5%	CAS # 7782-63-0	OSHA PEL 1 mg/m ³	ACGIH TLV 1 mg/m ³
	Zinc Sulfate	1.0%	7733-02-0	NE	NE
	Manganese Sulphate	1.0%	7785-87-7	5 mg/m ³	5 mg/m ³
	Copper Sulphate	1.0%	7758-98-7	1 mg/m ³	1 mg/m ³
Section 3 Physical Data	Flash Point / Method	NA	Melting Point	NA	
	Specific Gravity (H ₂ O = 1)	1.2	Vapor Pressure (mmHg)	NE	
	Vapor Density (Air = 1)	NE	Solubility in H ₂ O	Soluble	
	% Volatiles by Vol.	NE	Odor/Appearance	Sour/Greenish liquid	
Section 4 Fire & Explosion Hazard	Extinguishing Media <input checked="" type="checkbox"/> Water Fog <input type="checkbox"/> Foam <input type="checkbox"/> Alcohol Foam <input type="checkbox"/> CO ₂ <input type="checkbox"/> Dry Chemical <input type="checkbox"/> Other				
	Fire Fighting Precautions & Hazards: Fight fire upwind. Wear pressure demand self-contained breathing apparatus and full protective equipment. Dike to prevent entering drains, sewers, or water courses.				
Section 5 Carcinogen Status	<input type="checkbox"/> OSHA <input type="checkbox"/> NTP <input type="checkbox"/> IARC <input checked="" type="checkbox"/> No Listing Type				
Section 6 Reactivity	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		Hazardous Polymerization <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur		
	Avoid: Contact with steel or aluminum produces hydrogen. Oxidizer, high temperatures			Hazardous Decomposition Products: CO, CO ₂ , SO _x	
Section 7 Spill or Leak Procedures	Steps to be taken in case of spill: Absorb with inert material and sweep or vacuum into disposal container.				
	Decontamination: Treat area with detergent and water and absorb with inert material. Place in disposal container. Repeat procedure.				
	Environmental hazards: Dike to prevent entering drains, sewers, or water courses.				
Disposal: Dispose of in accordance with Federal, state and local regulations.					

Product / Trade Name:

BLACK LEAF IRON PLUS

Section 8 Health Precaution Data	Ingestion: Acute oral LD ₅₀ (rat) Iron Sulfate 1389 mg/k-Zinc sulfate 2200 mg/kg Do not ingest. Wash thoroughly before, eating drinking, or smoking.
	Inhalation: PEL/TLV 1 mg/m ³ . Can irritate the respiratory tract. Wear appropriate respiratory protection for exposures above the PEL/TLV.
	Skin absorption: Can cause skin irritation. Wear personal protective equipment to reduce skin contact.
	Eye exposure: Keep out of eyes. Can cause eye irritation. If exposed, flush eyes for a minimum of 15 minutes with water. Wear eye protection to reduce exposure.
	Effects of overexposure: Can cause irritation of skin, eyes, respiratory tract, and GI tract. Overexposure may include vomiting, GI disturbances and diarrhea. Pre-existing medical conditions involving the above symptoms may be aggravated by exposure. No known chronic effect.
	First aid: In all cases, get prompt medical attention. If ingested, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin exposure, wash with soap and water. For eye exposure, irrigate eyes a minimum of 15 minutes with water. If inhaled, remove victim to fresh air.
Section 9 Special Protection Information	Respiratory protection: Use NIOSH/MSHA-approved respirator for organic vapors for exposures up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and exposures above 10 times the PEL/TLV.
	Personal protective equipment: Neoprene or rubber gloves, long-sleeved coveralls and chemical goggles.
	Ventilation: General
Section 10 Special Precautions	SARA Hazard Class-None. Keep out of the reach of children. Read and follow all label instructions. Do not store in steel or aluminum tanks. Copper and Zinc are SARA 313.